

T O M D E V O R E
portfolio

1.0

OCEANSPRAY TOWNHOMES

Climate Resilient, Low Carbon Housing

87% LESS

Embodied Carbon than
average new Townhomes*

(kgCO₂e / m² floor area)

"Emissions of Materials Benchmark
Assessment for Residential Construction"
Builders for Climate Action, et. al.

A1-A3 Embodied Carbon estimate by Tom
DeVore and Rebecca Flores using BEAM tool

ROLE
PROJECT MANAGER

PHASES
PROGRAMMING, SD, DD, CD,
PERMITTING, B&N, CA

TIMELINE
07.2022 - 01.2025

STATUS
COMPLETED

LOCATION
ASHLAND, OR

PROJECT TYPE
MULTI-FAMILY RES.

OCCUPANCY
R-2

SIZE
CONDITIONED: 5,100 SF
UNCONDITIONED: 1,076 SF

UNITS
(4) TWO-BED, TWO-BATH

CONST. COST
\$2,300,000

CLIENT
RADHIKA & CHANDU
THEKKATH

CONTRACTOR
JOVICK CONSTRUCTION

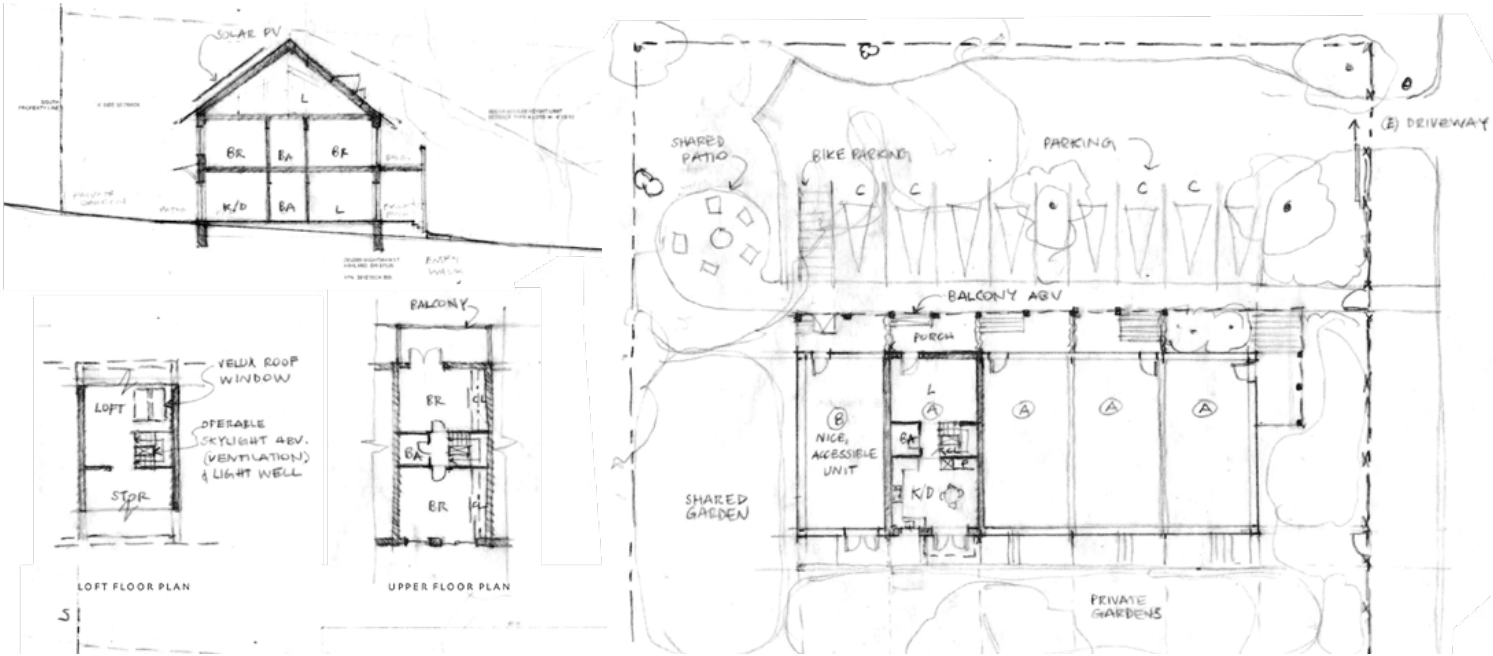
AWARDS
EEBA EXCELLENCE IN
DECARBONIZATION
FINALIST

[LINK TO 3D TOUR](#)

Photo: Jovick Construction

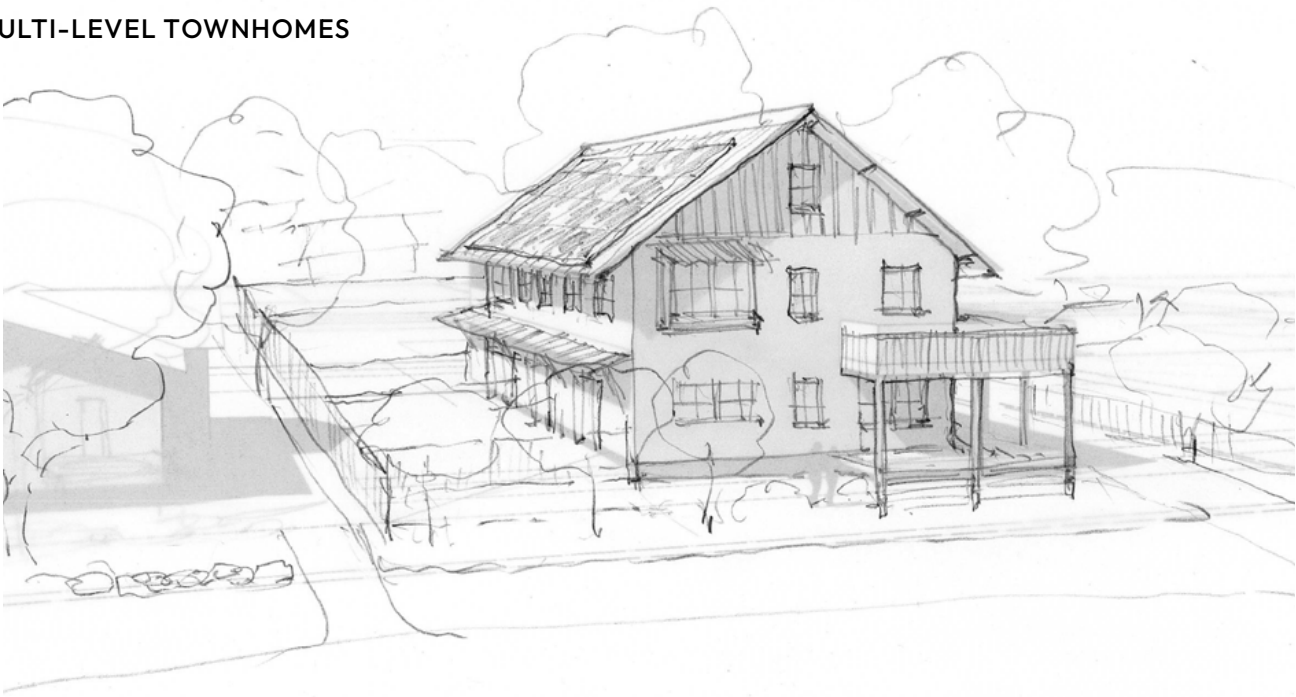
SCHEMATIC DESIGN OPTIONS

Presenting a range of site, massing, and unit layout options

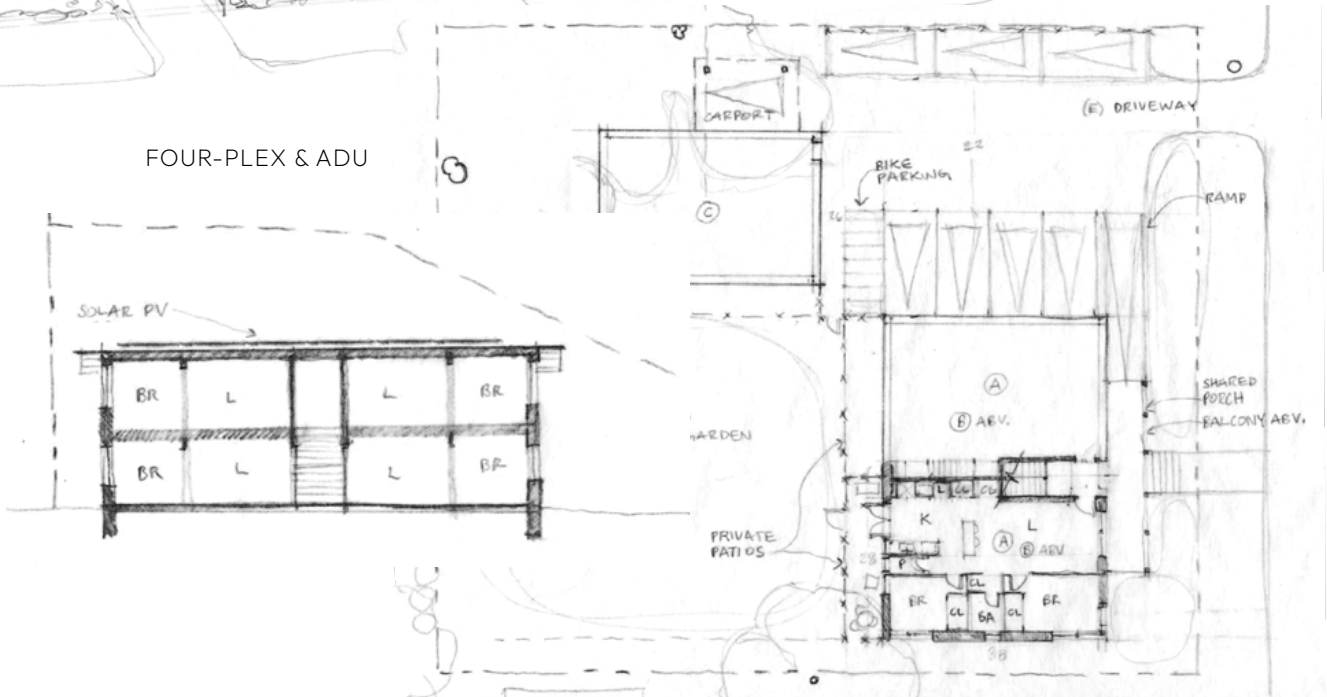


SINGLE-LEVEL APARTMENTS

MULTI-LEVEL TOWNHOMES



FOUR-PLEX & ADU

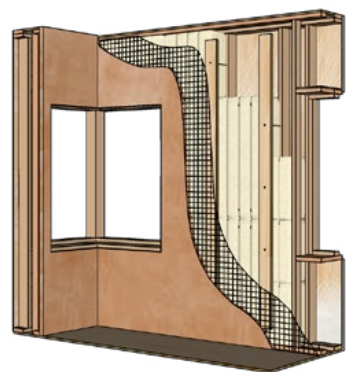


STRAW BALE WALL SYSTEMS

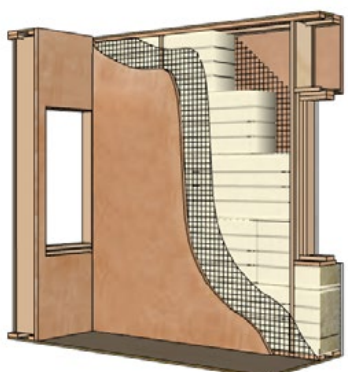
Straw insulation: carbon storing, agriculatural by-product

Designed and permitted innovative wall systems to bring straw insulation into a new context - perhaps the first multi-story, multi-family residential structure in the country.

Organized and co-led a workshop where experienced natural builders led teams of volunteers to install all of the straw bale insulation over two days of hard work and fun



plywood sheathing
studs 24" o.c.
rice straw bales
plywood washers
polypro mesh
clay lime plaster



adobe plaster
polypro mesh
rice straw bales



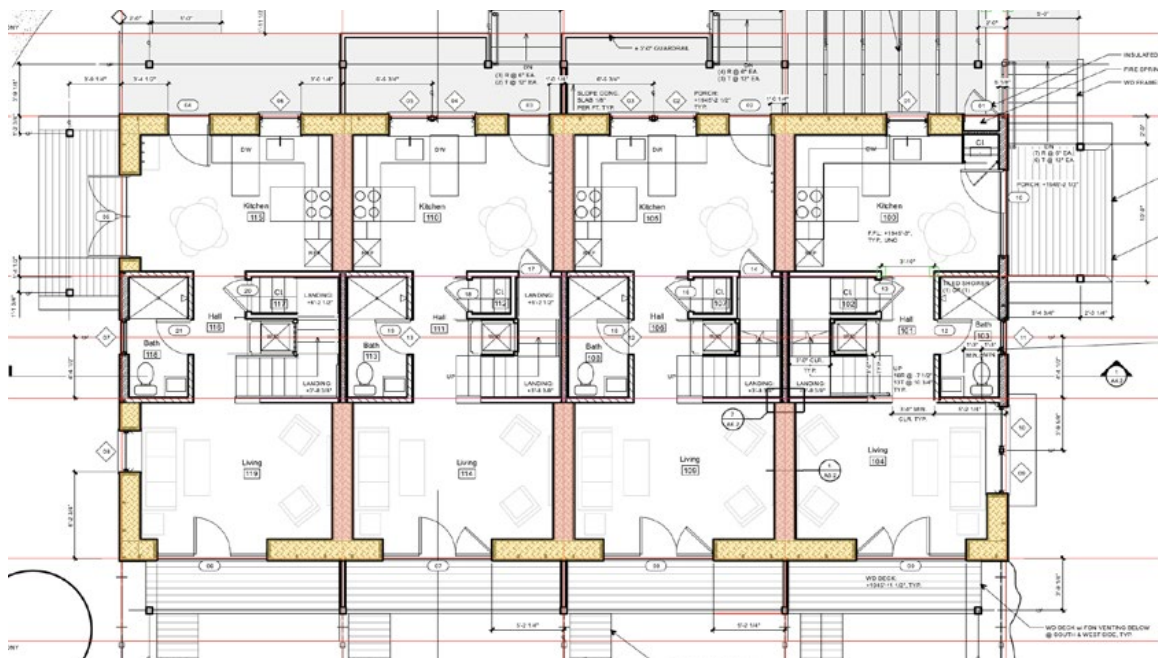
EXTERIOR WALLS

Bales between studs
1-Hr fire rated wall
R-32 insulation
Thermal mass



PARTY WALLS

Bales stacked running bond
1-Hr fire rated wall
Acoustic separation



GROUND FLOOR PLAN

(4) 2-Bedroom, 2-Bath Units

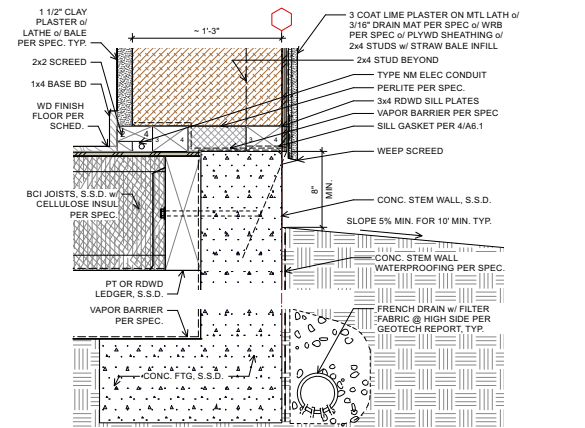
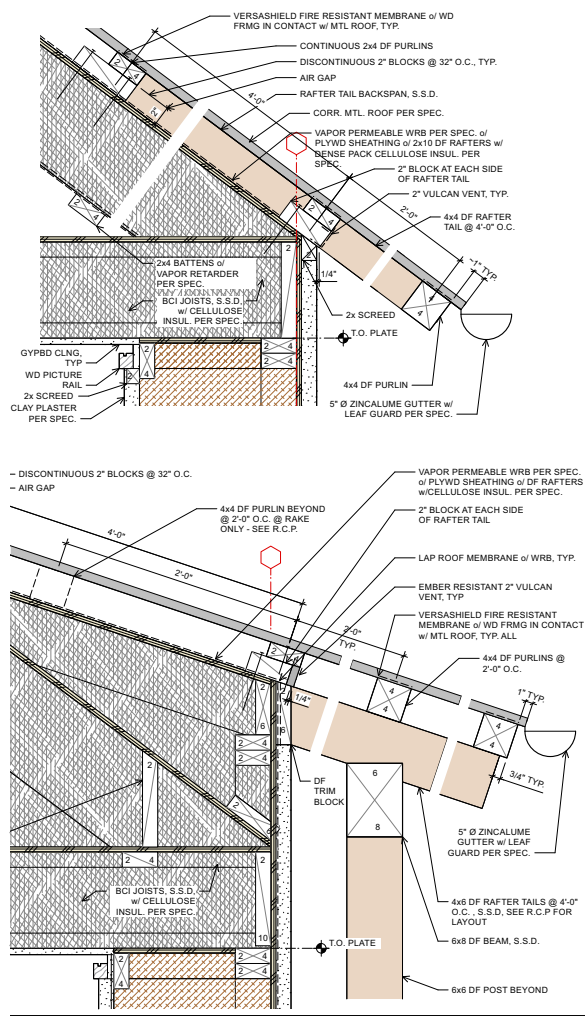


Photo: Tavi Hillesland

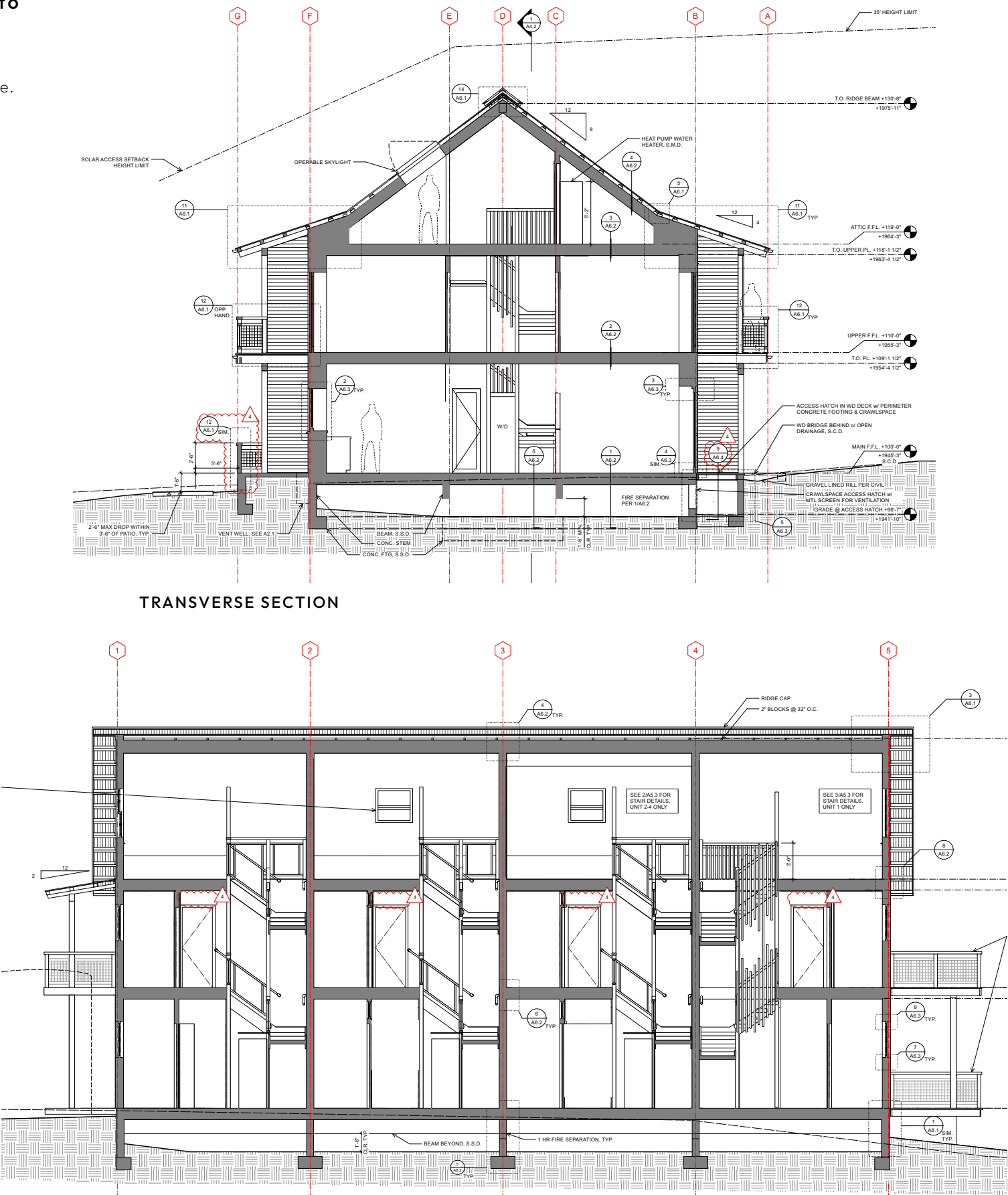
CONSTRUCTION DRAWINGS

Low-carbon material assemblies designed to be durable and affordable to build.

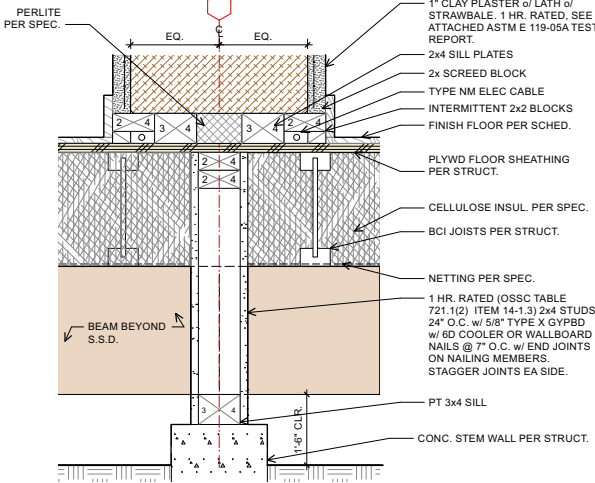
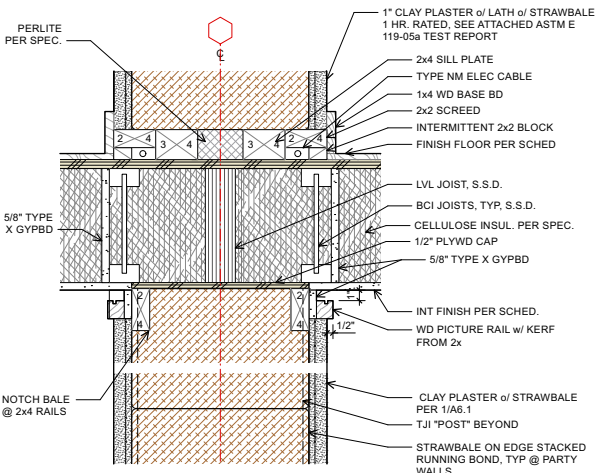
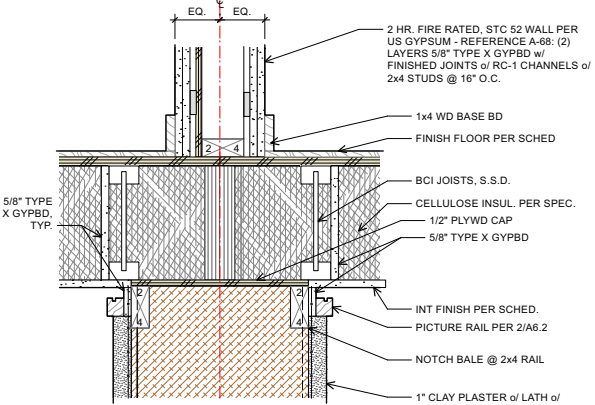
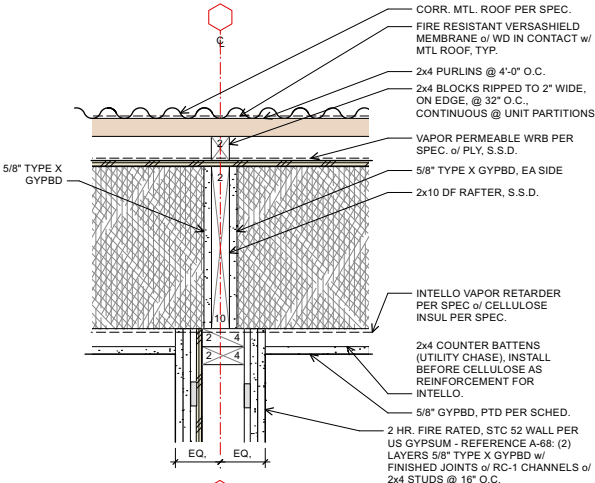
Developed drawing sets for permitting, cost estimating, construction. Managed consultant team to stay on schedule.



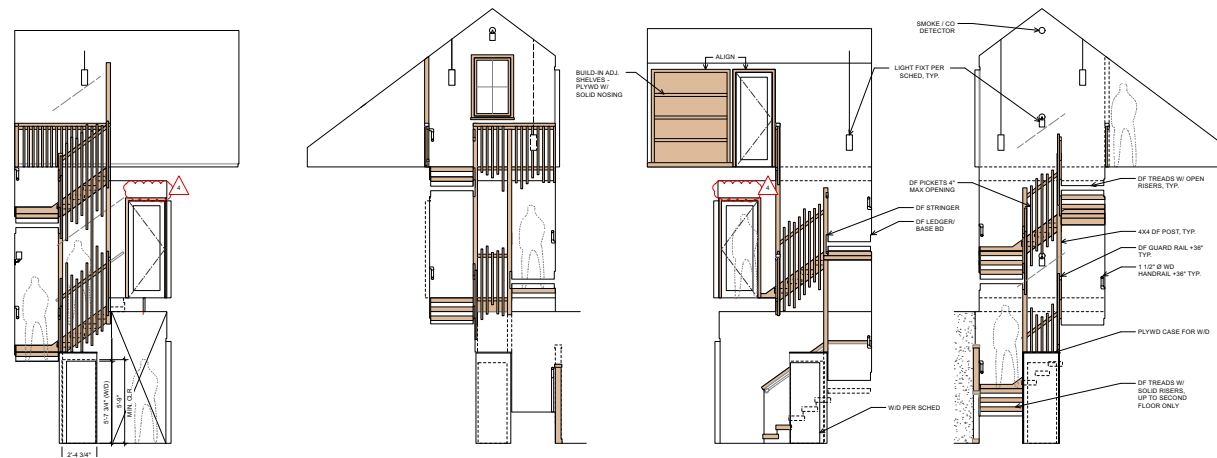
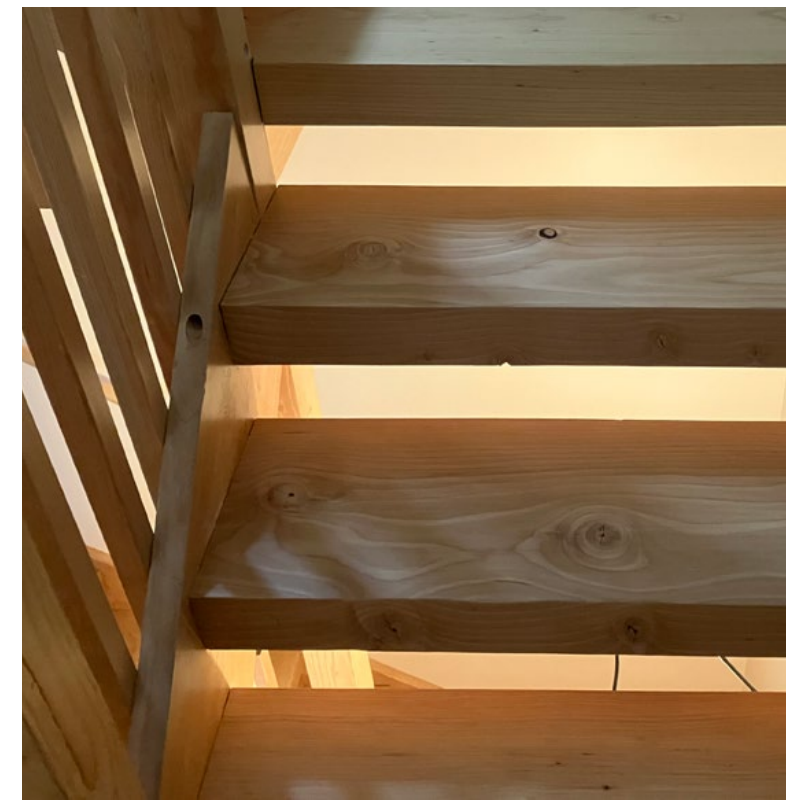
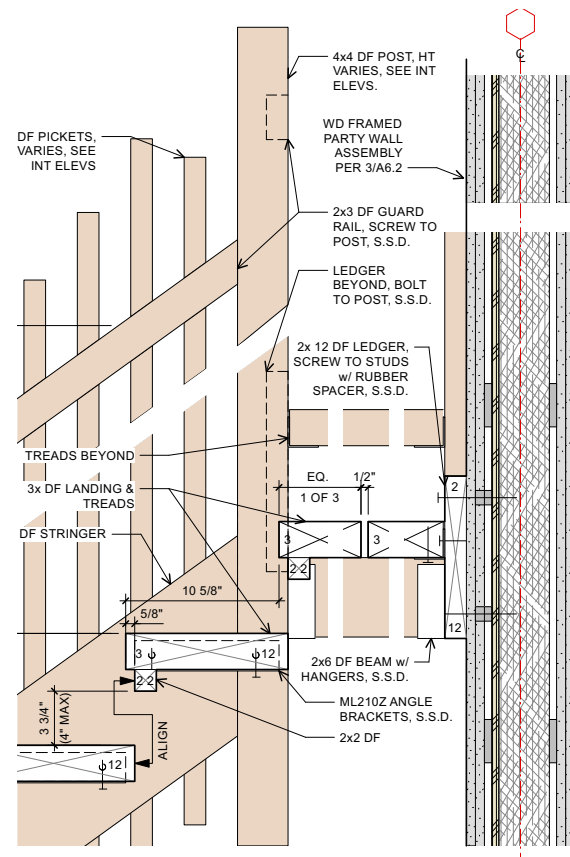
PERIMETER WALL DETAILS



LONGITUDINAL SECTION



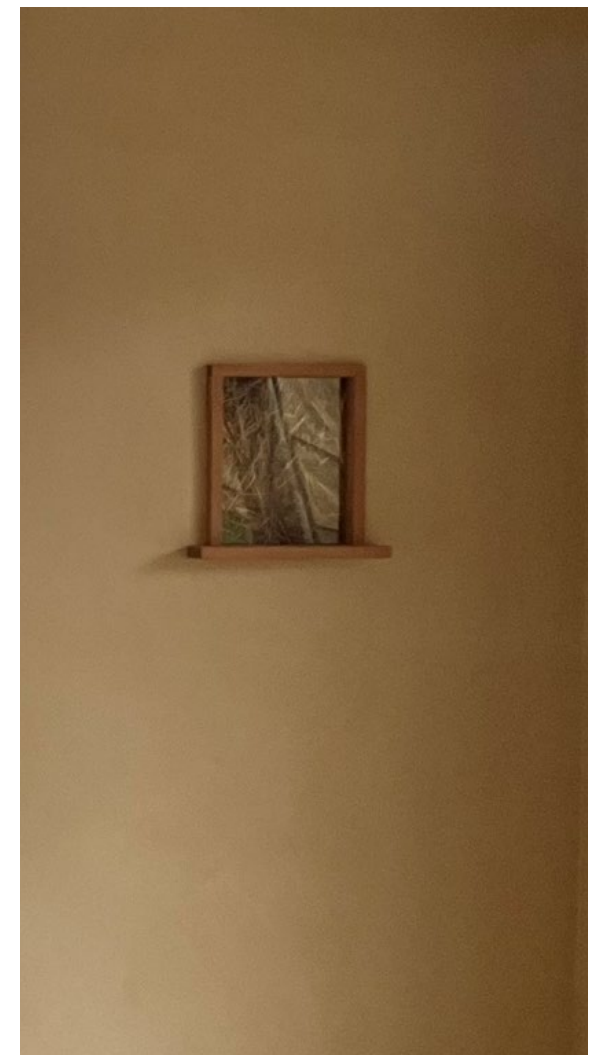
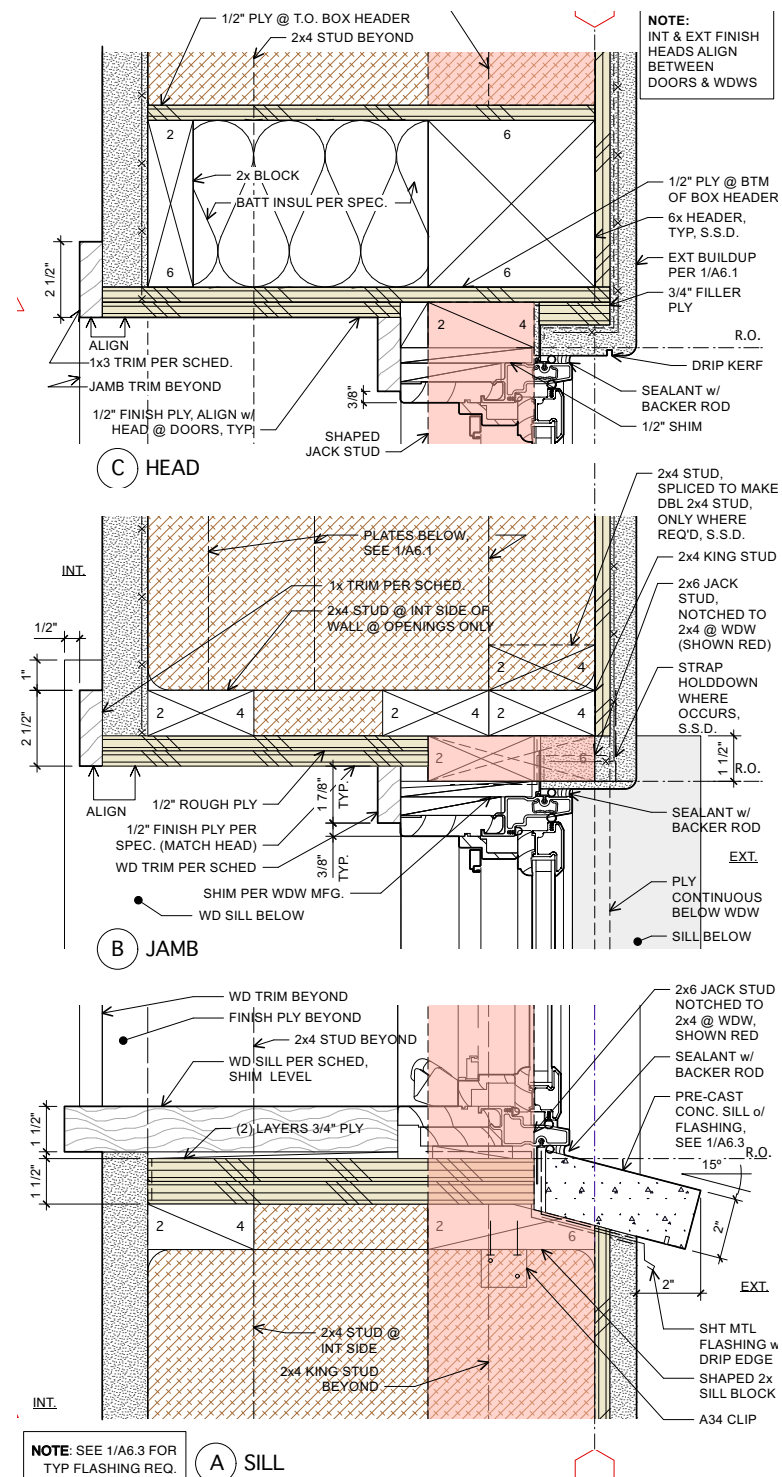
PARTY WALL DETAILS



INTERIOR STAIR

Open risers and cascading pickets at the lightwell / stair





WINDOW DETAILS

Wood casing for durability in rental units

2.0

CELERY PHASE 3 & 4

Mixed-Use Infill and Office Renovation
for Creative Community

ROLE
PROJECT MANAGER

PHASES
PROGRAMMING, SD, DD, CD
PERMITTING, B&N

TIMELINE
02.2023 - PRESENT

STATUS
PHASE 3: PERMITTING
PHASE 4: SD

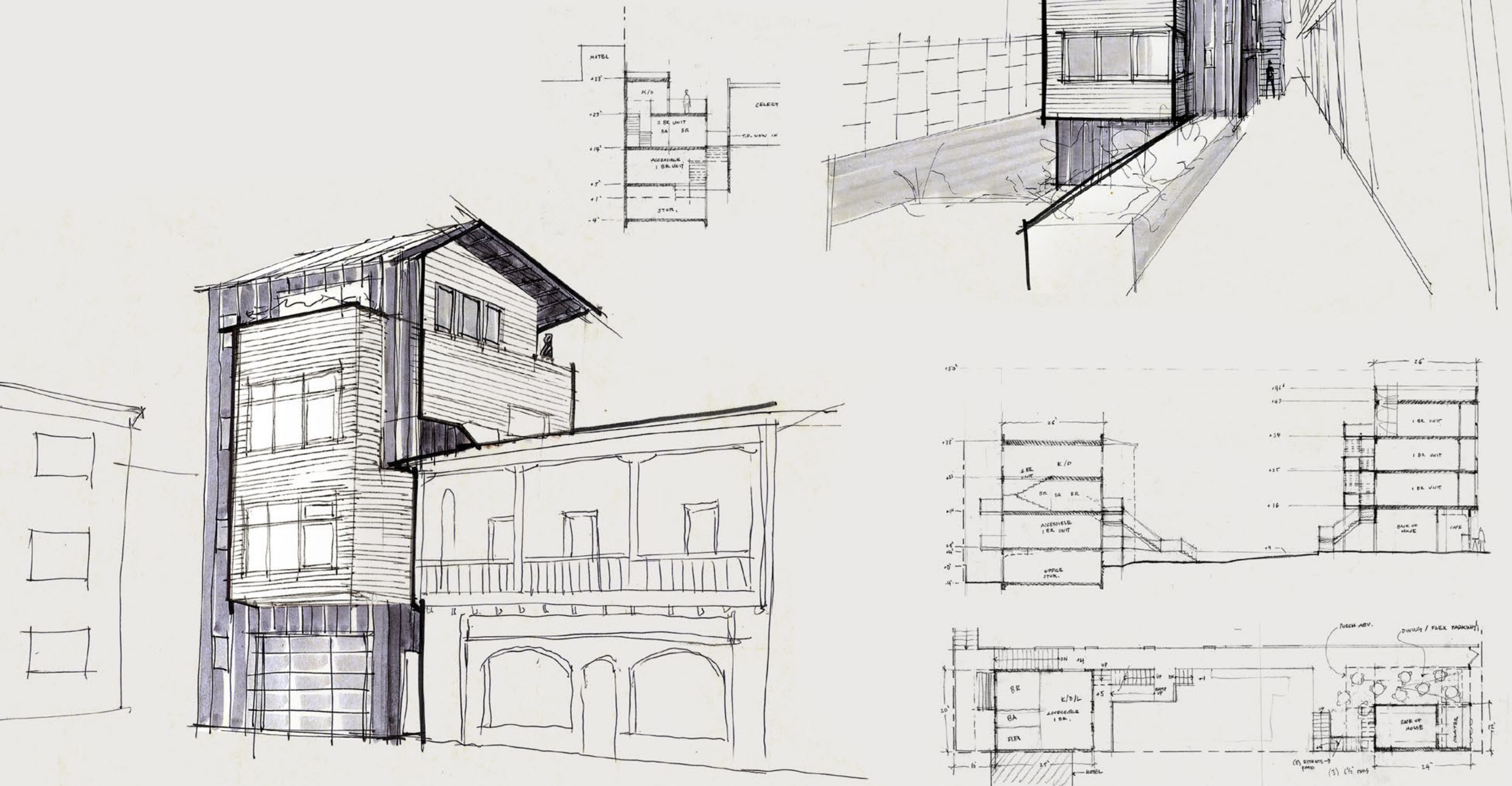
LOCATION
BERKELEY, CA

PROJECT TYPE
MIXED-USE
RESIDENTIAL
OFFICE
CAFE
RETAIL

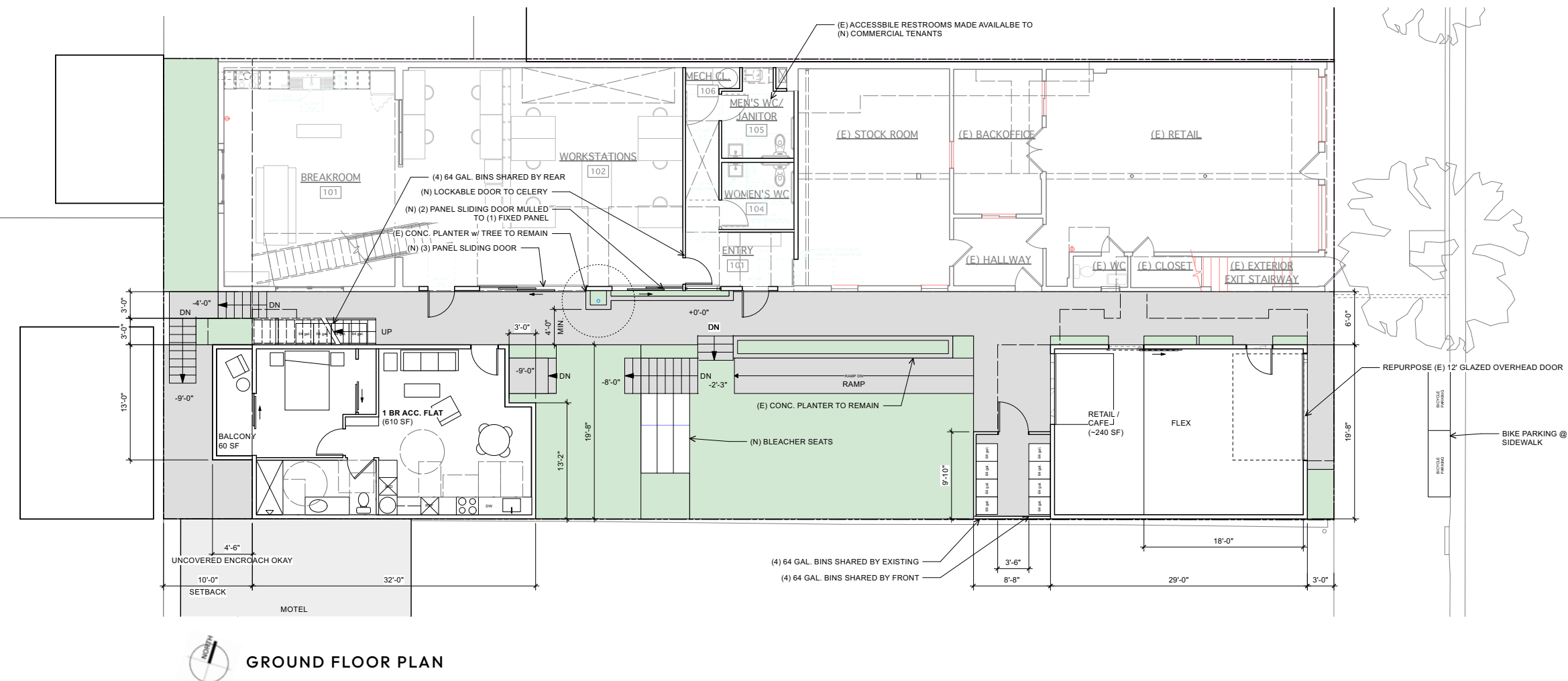
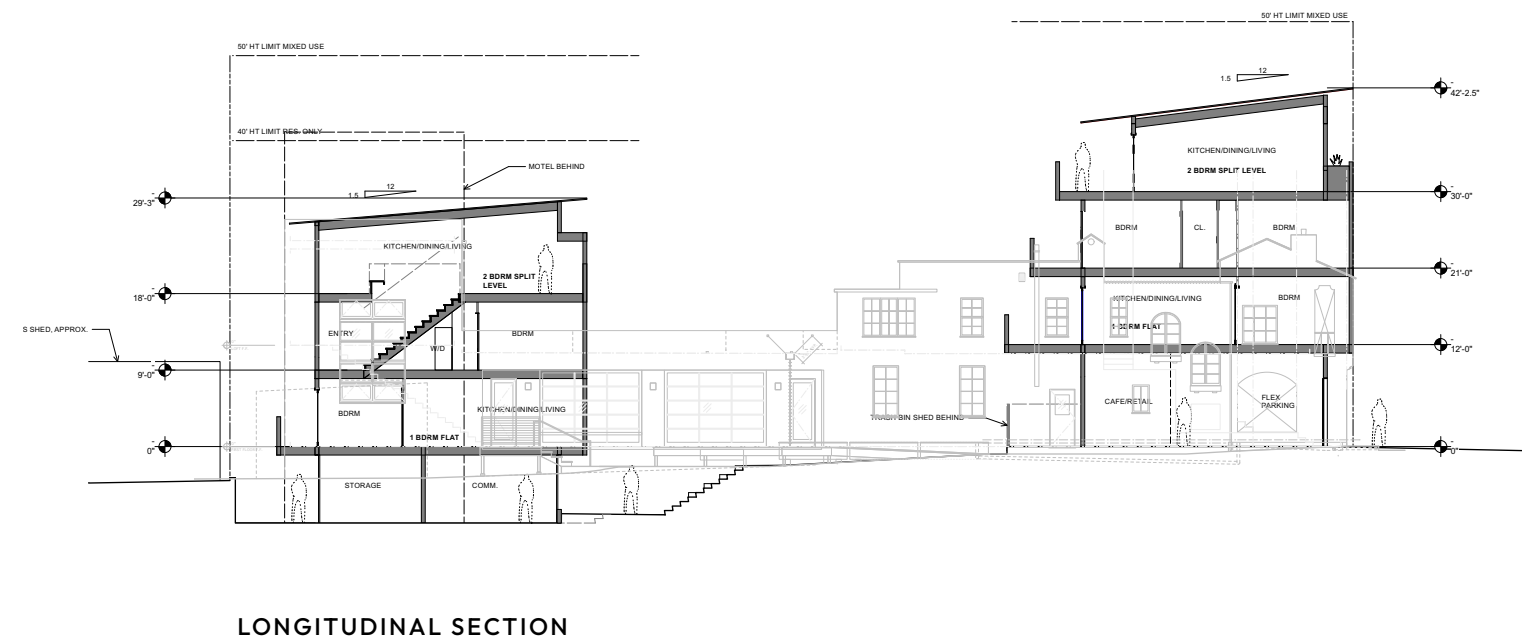
OCCUPANCY
B, R-2, M, A

SIZE
VARIES

CLIENT
CELERY DESIGN
COLLABORATIVE



Worked with contractor and owner on cost estimates. Met with City Planning and Building staff to discuss approval processes.



3.0

BLUE DOT FARM

Farmworker Housing from Agricultural Materials

Strawbale walls, sheep's wool insulation, straw fiber board interior paneling, salvaged wood siding, compressed earth block foundation.

ROLE
PROJECT MANAGER

PHASES
PERMITTING, B&N, CA

TIMELINE
06.2020 – 04.2022

STATUS
COMPLETED

LOCATION
NICASIO, CA

PROJECT TYPE
RESIDENTIAL
AGRICULTURAL

OCCUPANCY
R-3

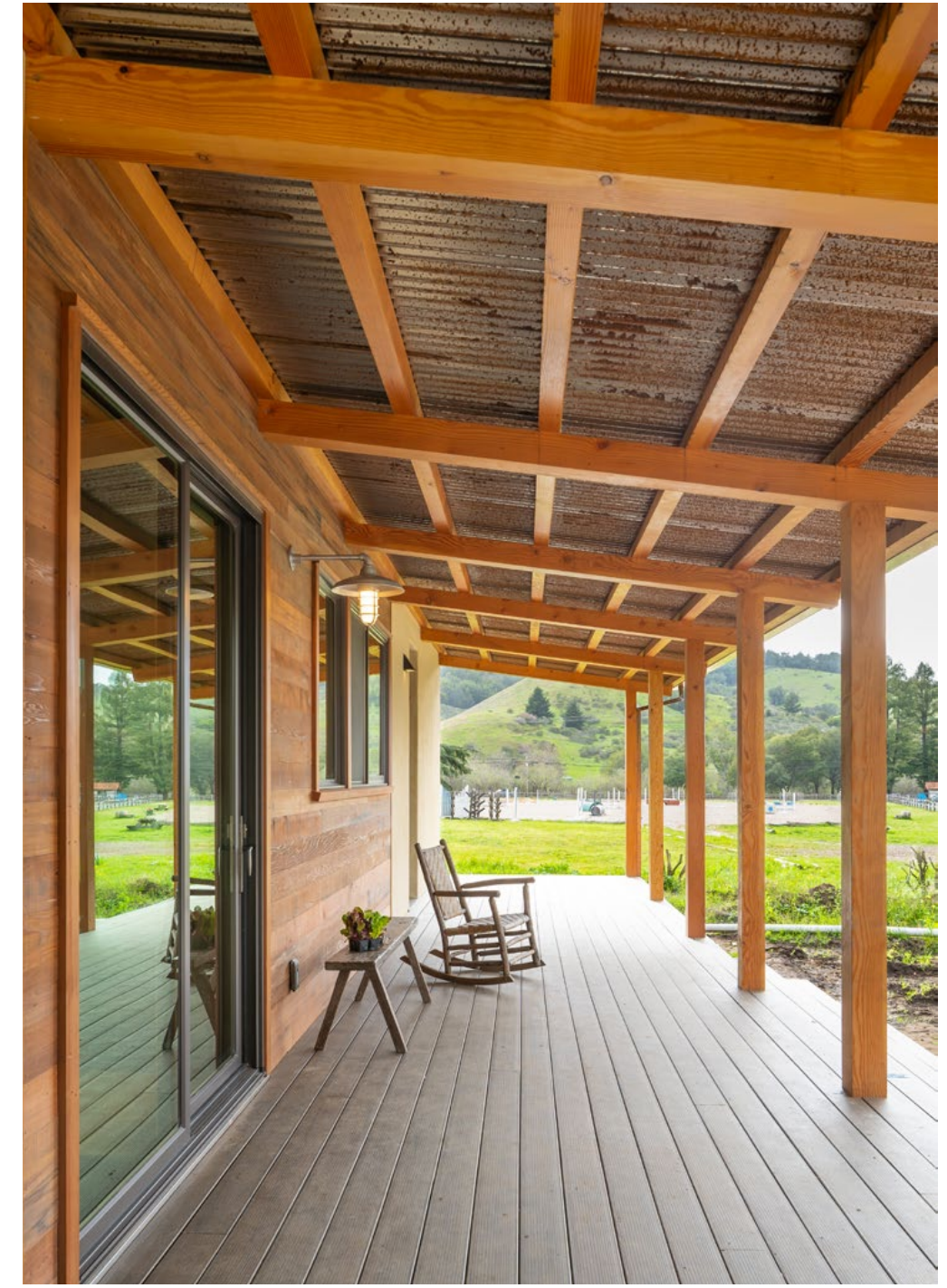
SIZE
1,278 SF
4 BR, 2 BA

CONST. COST
\$750,000

CLIENT
BLUE DOT FARM

AWARDS
AIA CALIFORNIA
2024 RESIDENTIAL
MERIT DESIGN AWARD

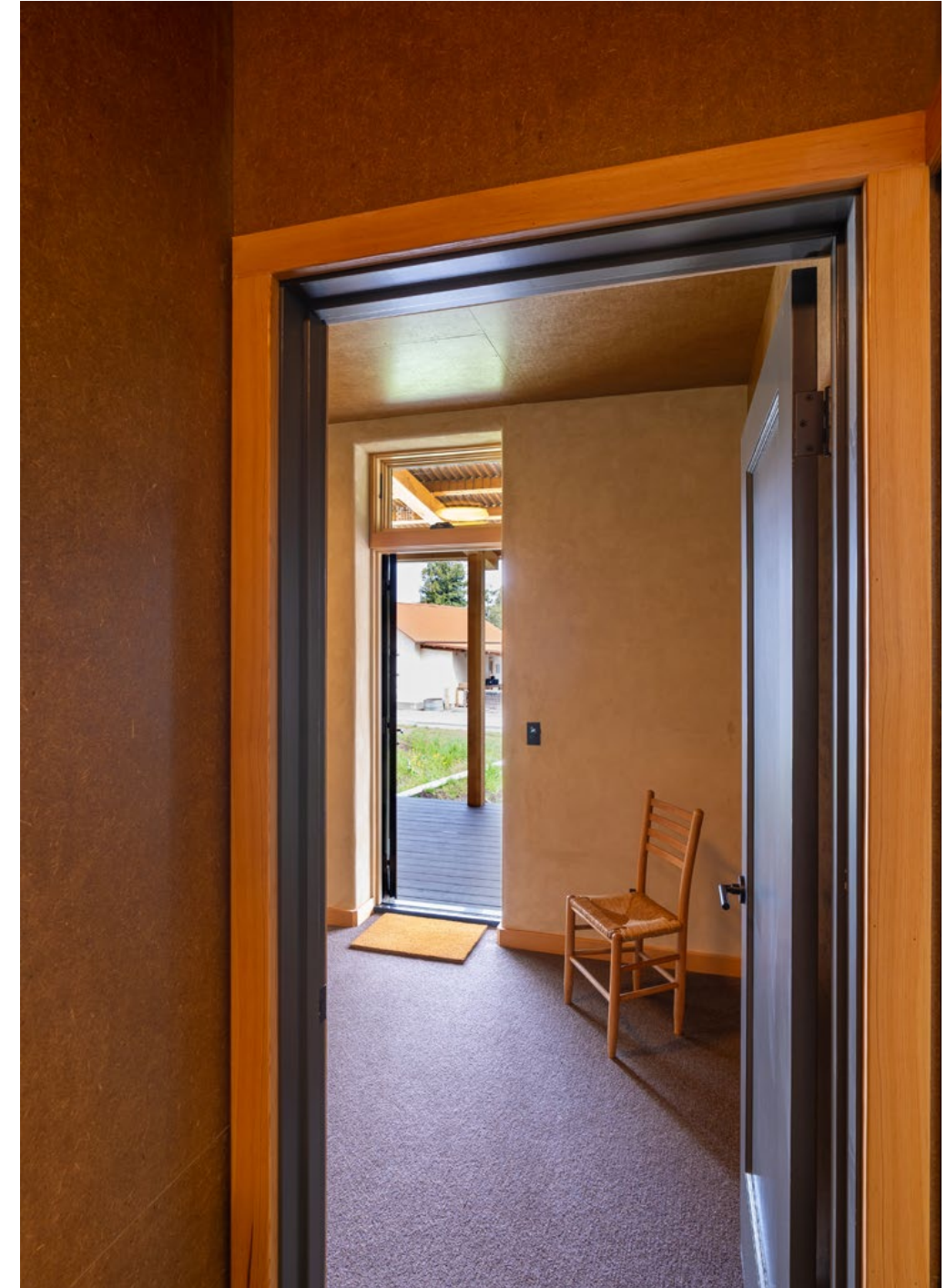
AIA EAST BAY
2023 HONORS AWARD



Photos: Ed Caldwell



Photos: Ed Caldwell



Photos: Ed Caldwell

4.1

BAMCORE ADU 01

Sacramento Studio & Office



ROLE
PROJECT MANAGER

PHASES
PROGRAMMING, SD, DD, CD,
PERMITTING, B&N, CA

TIMELINE
01.2024 - PRESENT

STATUS
UNDER CONSTRUCTION

LOCATION
SACRAMENTO, CA

PROJECT TYPE
RESIDENTIAL
ADU

OCCUPANCY
R-3

SIZE
583 SF
1 BR, 1 BA

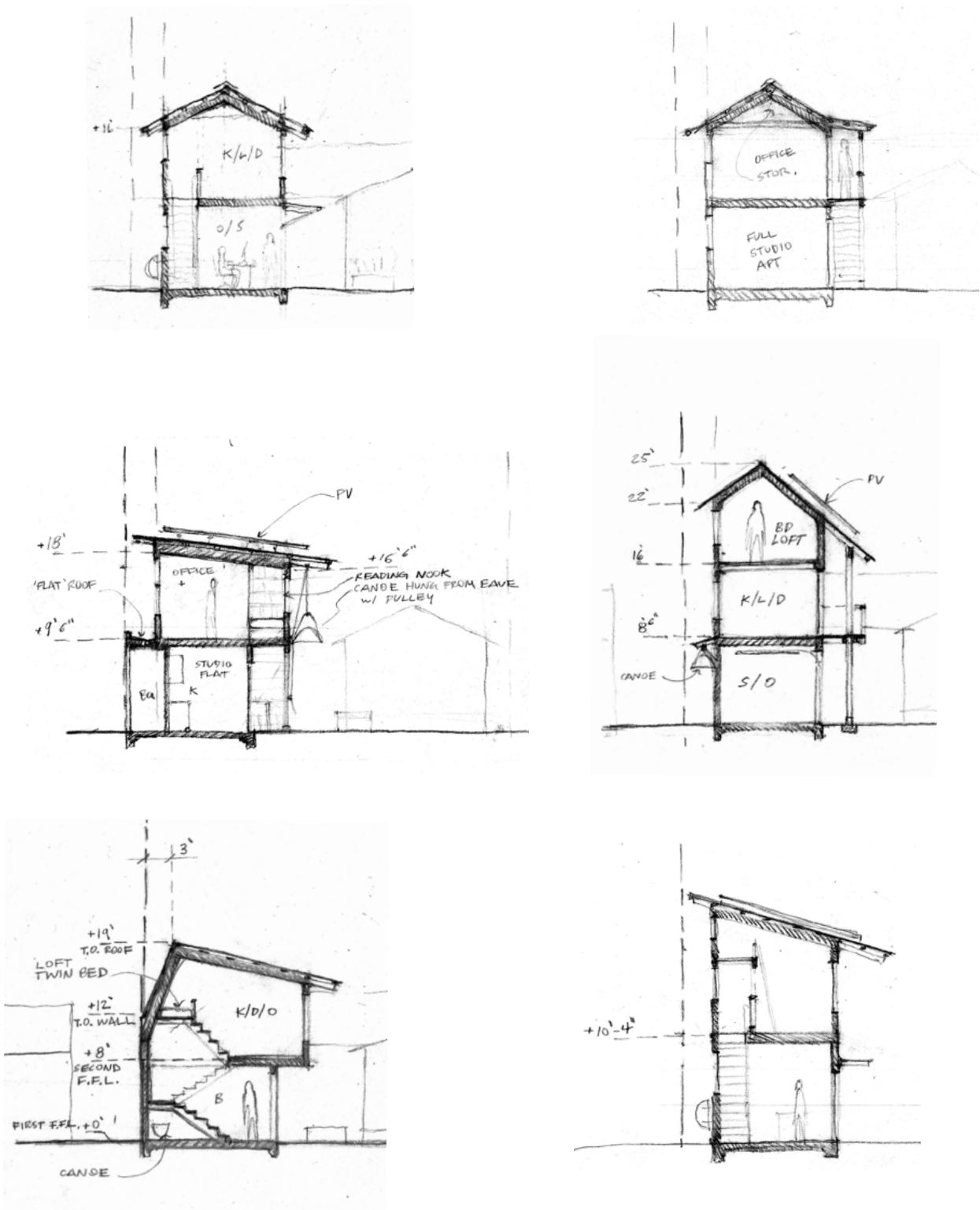
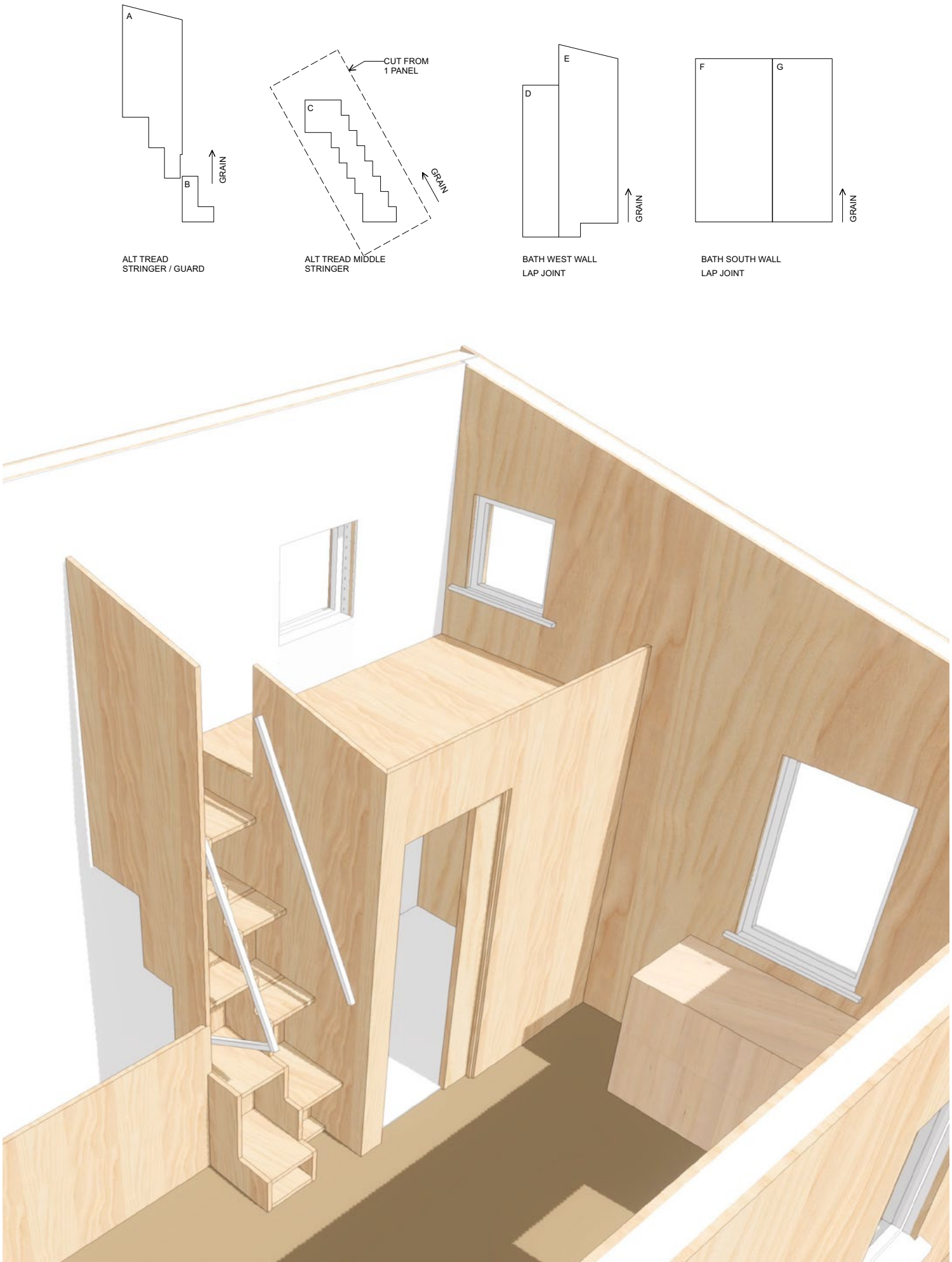
CONST. COST
\$380,000

CLIENT
JEANIE WARD-WALLER

Rapidly Renewable Kit of Parts

Designing with planar tectonics

Pre-fabricated structural bamboo panels are used for the perimeter walls (with minimal additional framing), greatly reducing thermal bridging. The 1 1/4" thick panels are also used for forming interior space: partitions, guard rails, stairs, and loft.



4.2

BAMCORE ADU 02

San Mateo Cottage



ROLE
PROJECT MANAGER

PHASES
PROGRAMMING, SD, DD, CD,
PERMITTING, B&N, CA

TIMELINE
06.2020 – PRESENT

STATUS
UNDER CONSTRUCTION

LOCATION
SAN MATEO, CA

PROJECT TYPE
RESIDENTIAL
ADU

OCCUPANCY
R-3

SIZE
486 SF
1 BR, 1 BA

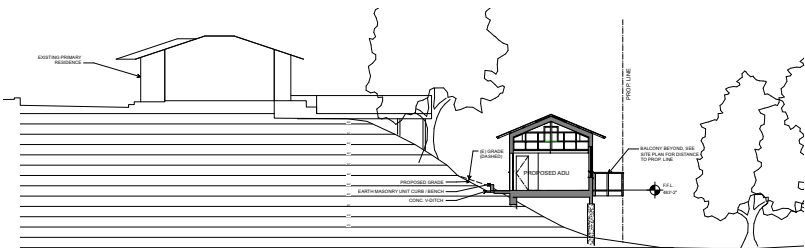
CONST. COST
\$390,000

CLIENT
CATHY & ALAN PALTER

Panelized Structural Bamboo

Minimizing Site Disturbance, Connecting to Landscape

The backyard unit is tucked downhill of the main residence, largely out of view. Openings facilitate natural ventilation, solar heat gain in the winter, and ample light in all seasons. A balcony on the downhill side provides panoramic views of the bordering open space.



5.1

PIE RANCH TRACTOR BARN

Timber framed agricultural building

ROLE
PROJECT MANAGER

PHASES
PROGRAMMING, SD, DD, CD,
PERMITTING, B&N, CA

TIMELINE
06.2022 – 05.2024

STATUS
COMPLETED

LOCATION
PESCADERO, CA

PROJECT TYPE
AGRICULTURAL

OCCUPANCY
U

SIZE
1,920 SF

CONST. COST
\$120,000

CLIENT
PIE RANCH

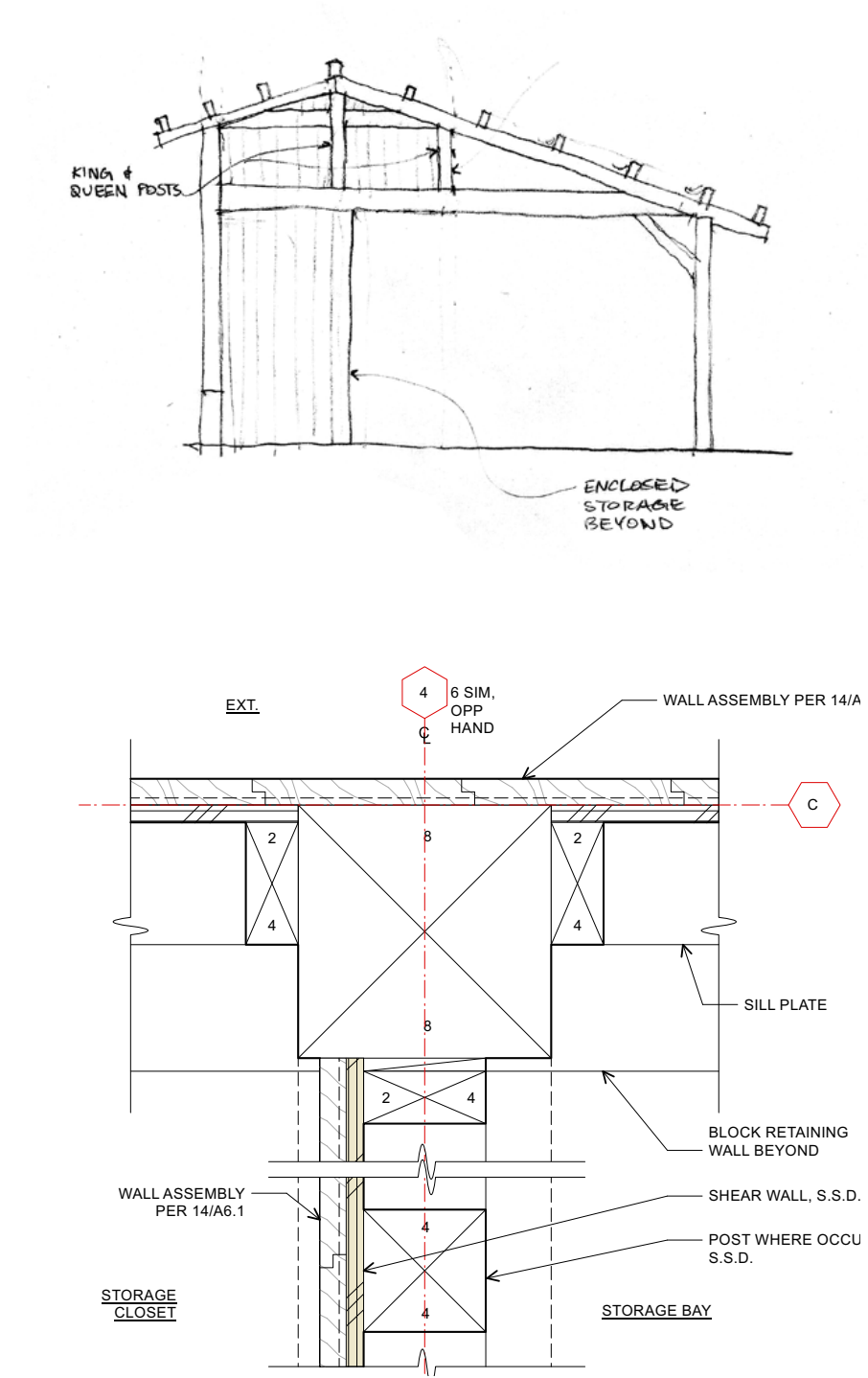


Navigating numerous governing agencies and site overlays





Photos: Ed Caldwell



5.2

PIE RANCH - FARMSTAND

Mixed Use Renovation and Use Permit

ROLE
PROJECT MANAGER

PHASES
PROGRAMMING, SD, DD, CD,
PERMITTING

TIMELINE
07.2020 - PRESENT

STATUS
PERMITTING

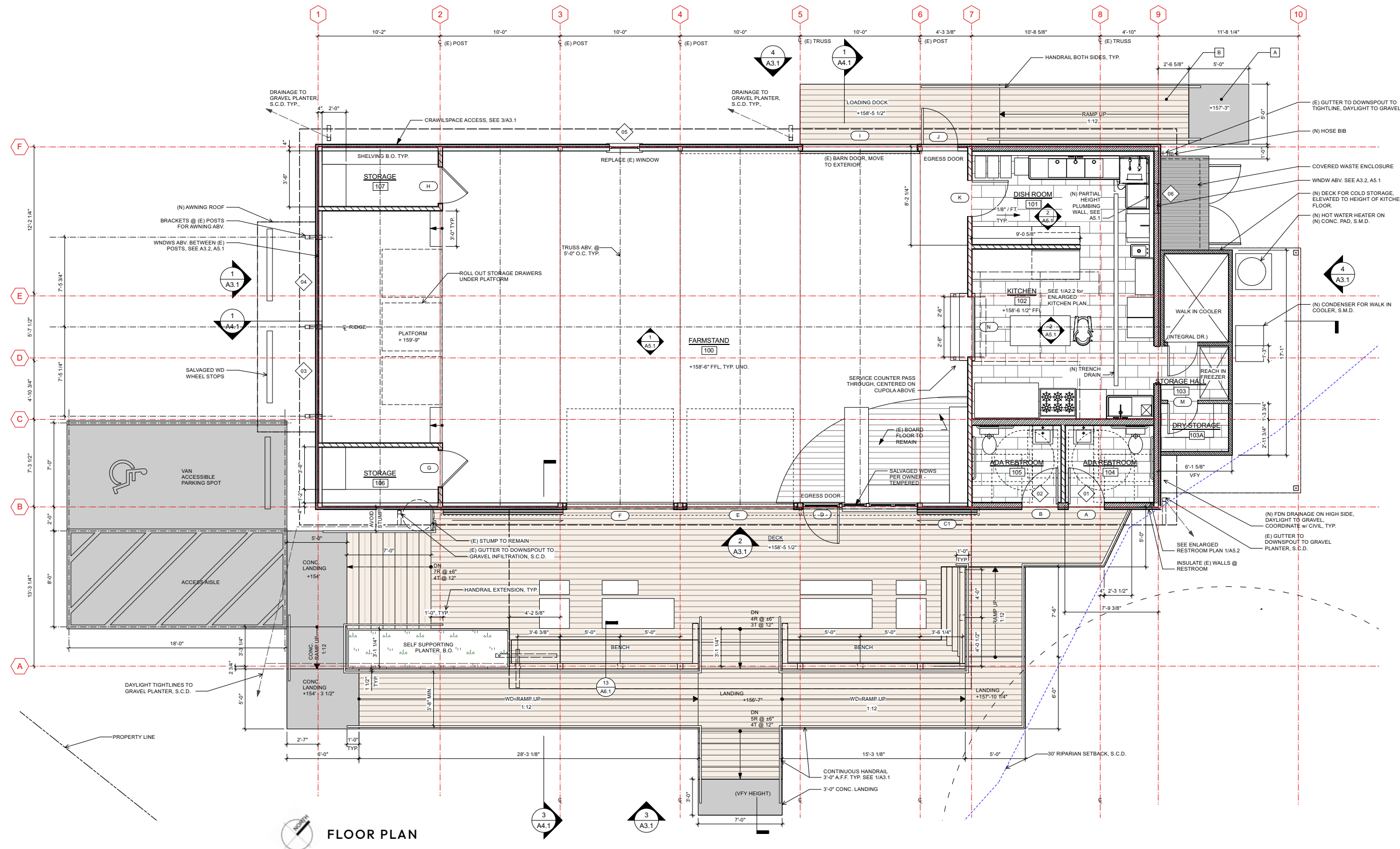
LOCATION
PESCADERO, CA

PROJECT TYPE
MIXED-USE
COMM. KITCHEN
PUBLIC BATHS
EVENT SPACE
CAFÉ

OCCUPANCY
U, B

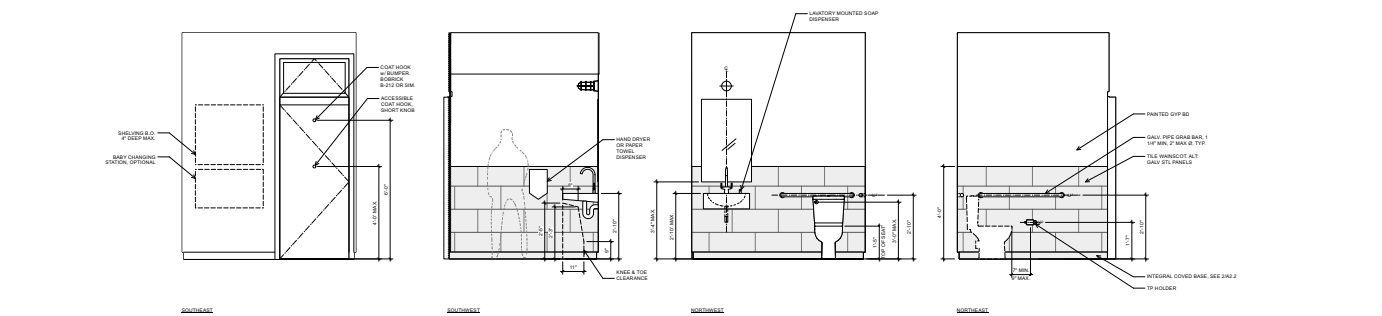
SIZE
2,201 SF BLDG
1,245 SF DECK

CLIENT
PIE RANCH

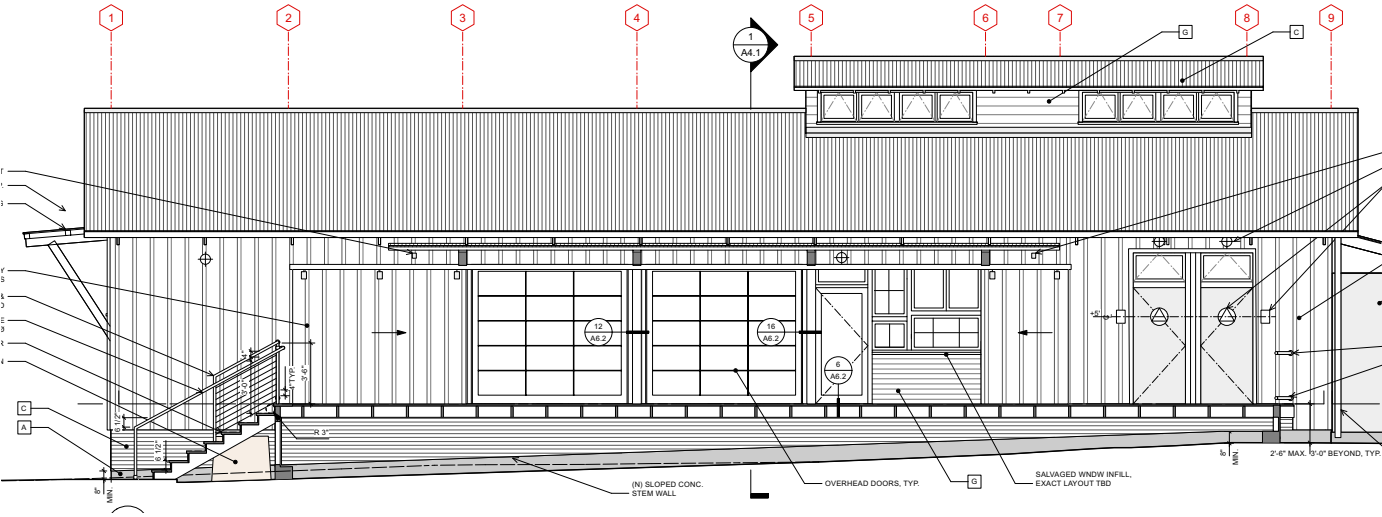


PERMIT DRAWINGS

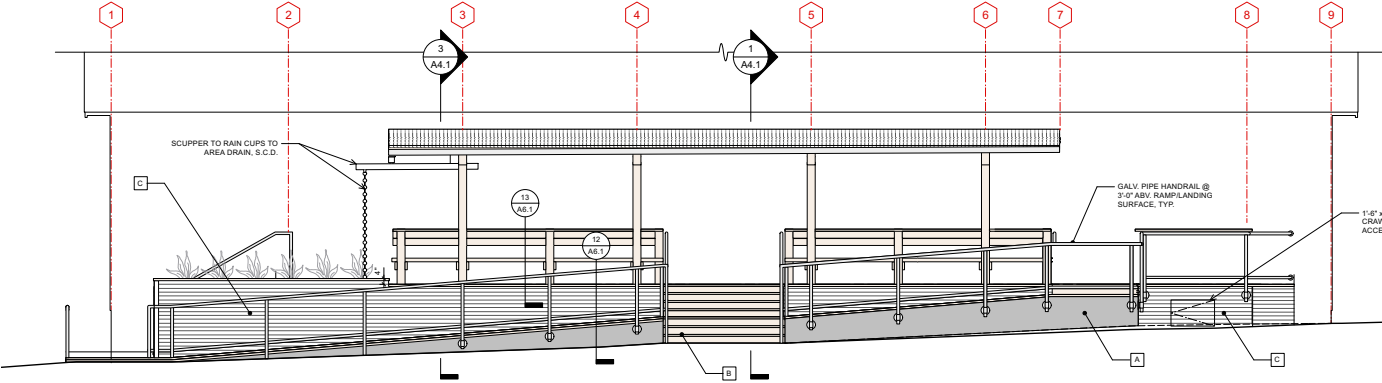
Integrating accessibility, daylighting, and thermal performance



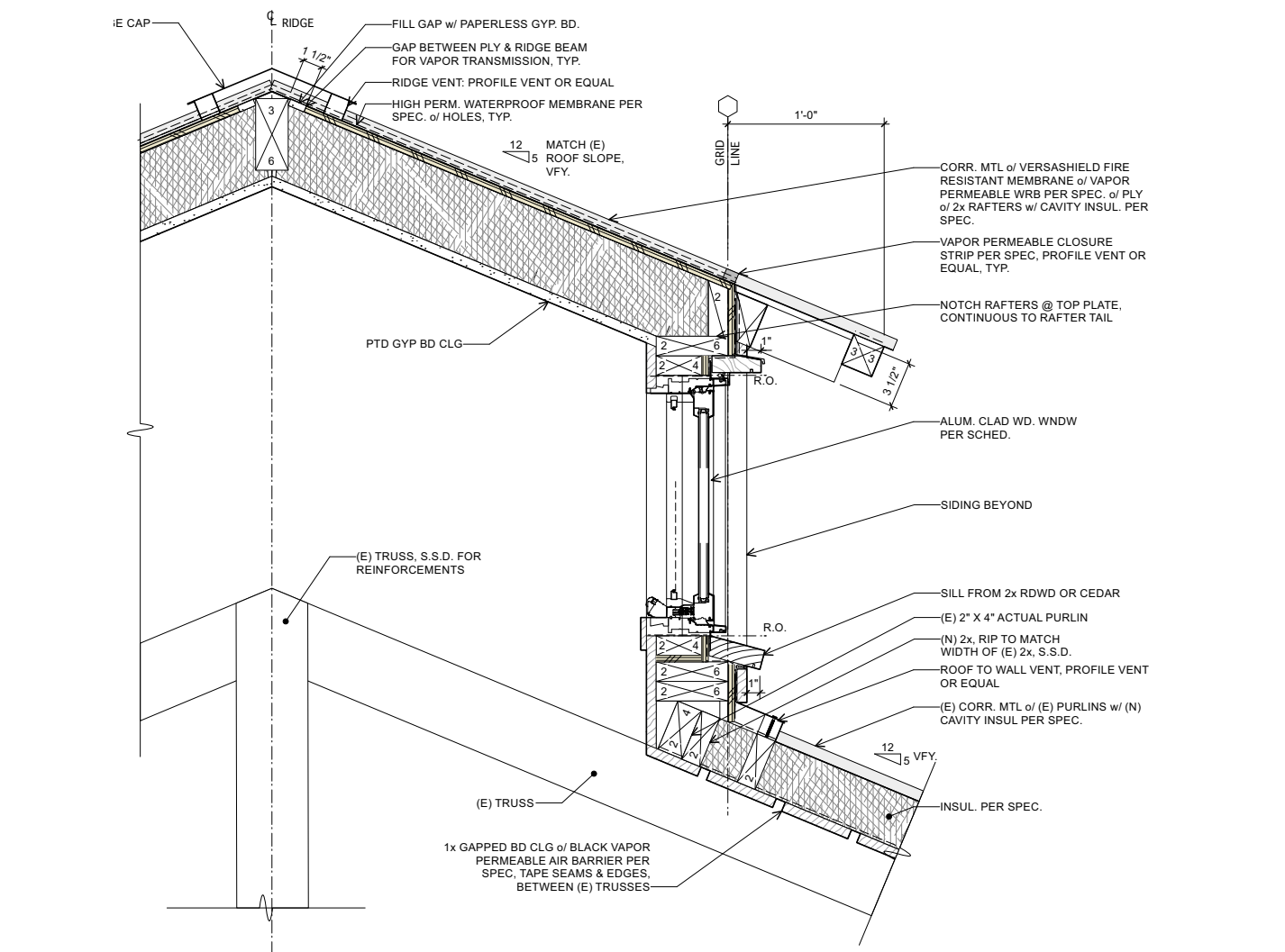
ACCESSIBLE RESTROOM INTERIOR ELEVATIONS



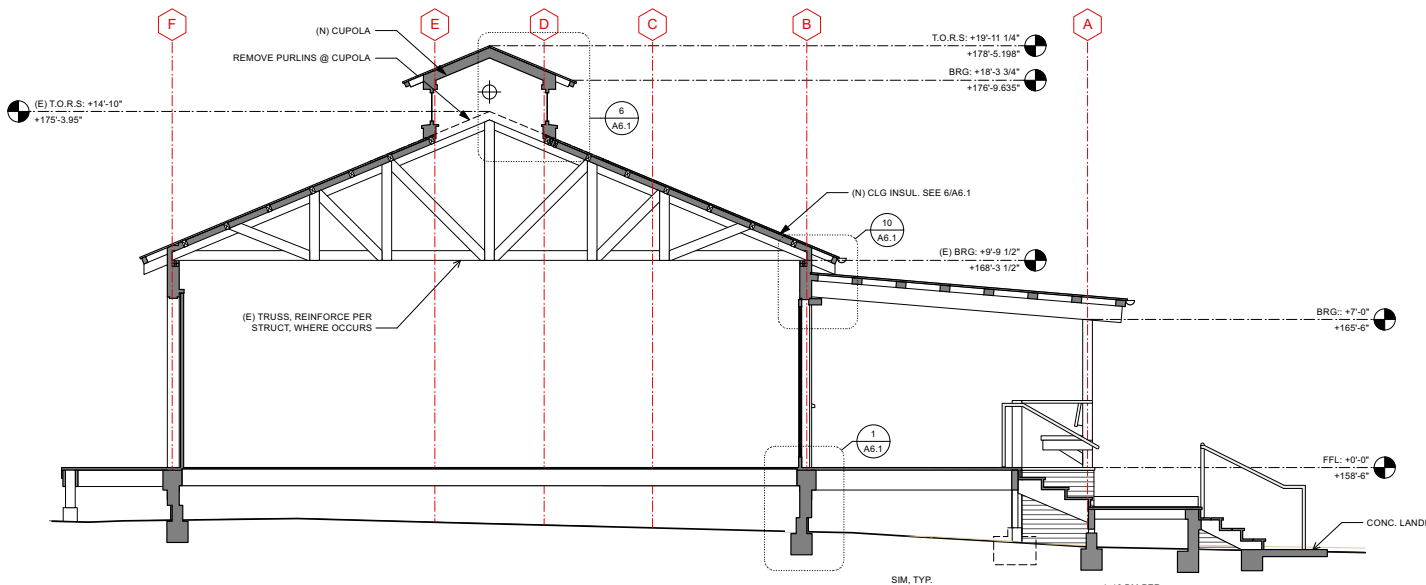
SOUTHEAST EXTERIOR ELEVATION



DECK SOUTHEAST ELEVATION



CUPOLA DETAIL



CROSS SECTION

5.3

PIE RANCH FARMHOUSE FIRE REBUILD

Historic farmhouse redesigned for a range of programs

ROLE
PROJECT MANAGER

PHASES
PROGRAMMING, SD, DD, CD,
PERMITTING, B&N, CA

TIMELINE
11.2020 – 03.2024

STATUS
COMPLETED

LOCATION
PESCADERO, CA

PROJECT TYPE
MIXED-USE
RESIDENTIAL
OFFICE

OCCUPANCY
R-3, B

SIZE
3,532 SF
4 BR, 3 BA

CONST. COST
\$1,800,000

CLIENT
PIE RANCH

CONTRACTOR
CORMORANT
FINE CRAFTSMEN



REBUILD / NEW GROWTH

Honor the past, meet today’s needs, model a sustainable future

The footprint and form keep the feel of the historic Steele family house. Indigenous ecological stewardship informs the building systems and material selection.

The interior space is reorganized to provide accessible office space, gathering space, housing for apprentices. Detailed for fire resistance and energy efficient systems.

Carbon sequestering and low carbon materials including earthen floor & plaster; passive daylighting, ventilation, and heating with solar sand bed.



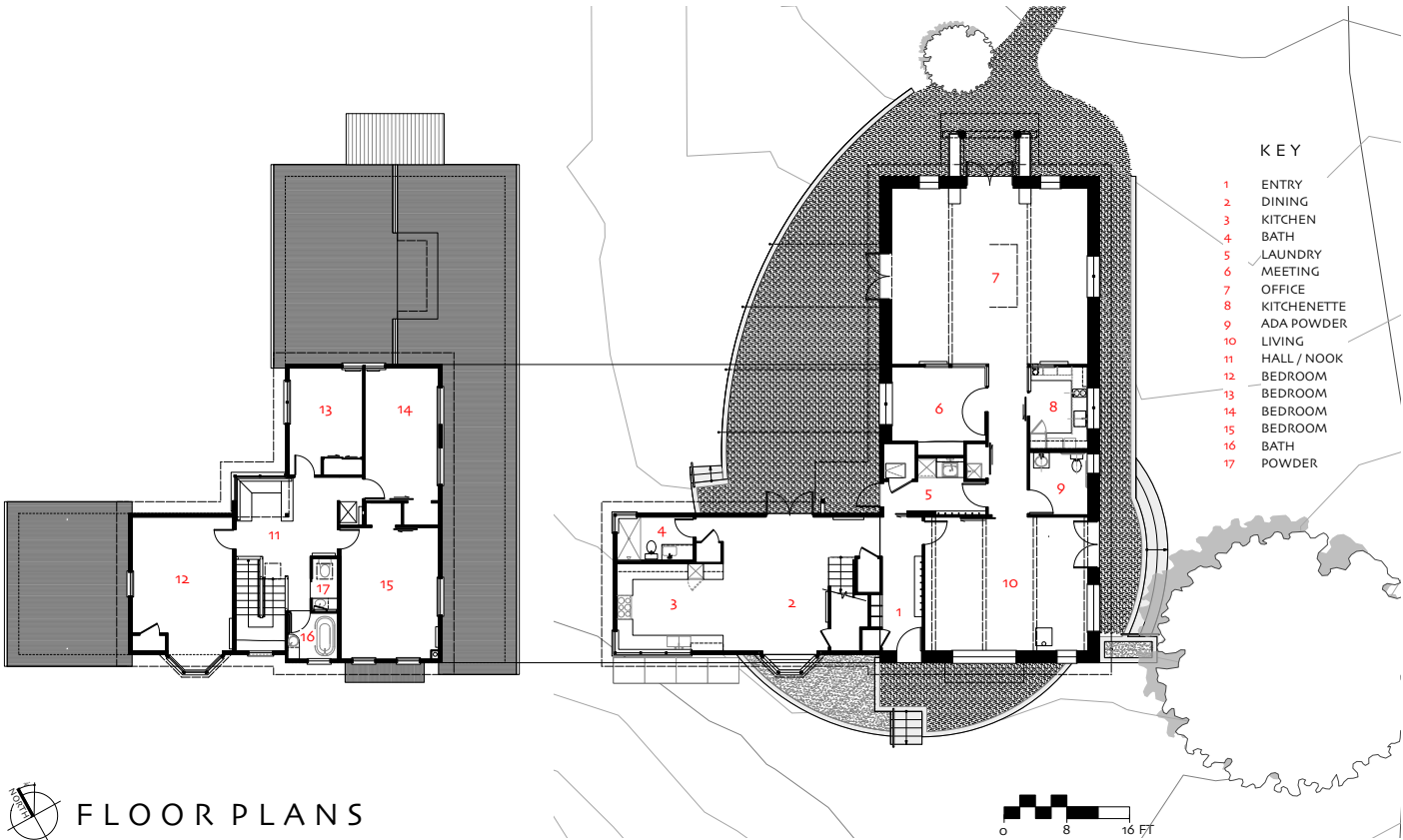
Steele Farmhouse, built c. 1863



Yurok Plank House, Sumêg Village



Tule Round House, Lompoc



Collecting organic oat straw bales from Pie Ranch’s farm for the farmhouse



Straw bale insulation installed



Photos: Ed Caldwell



Photos: Ed Caldwell

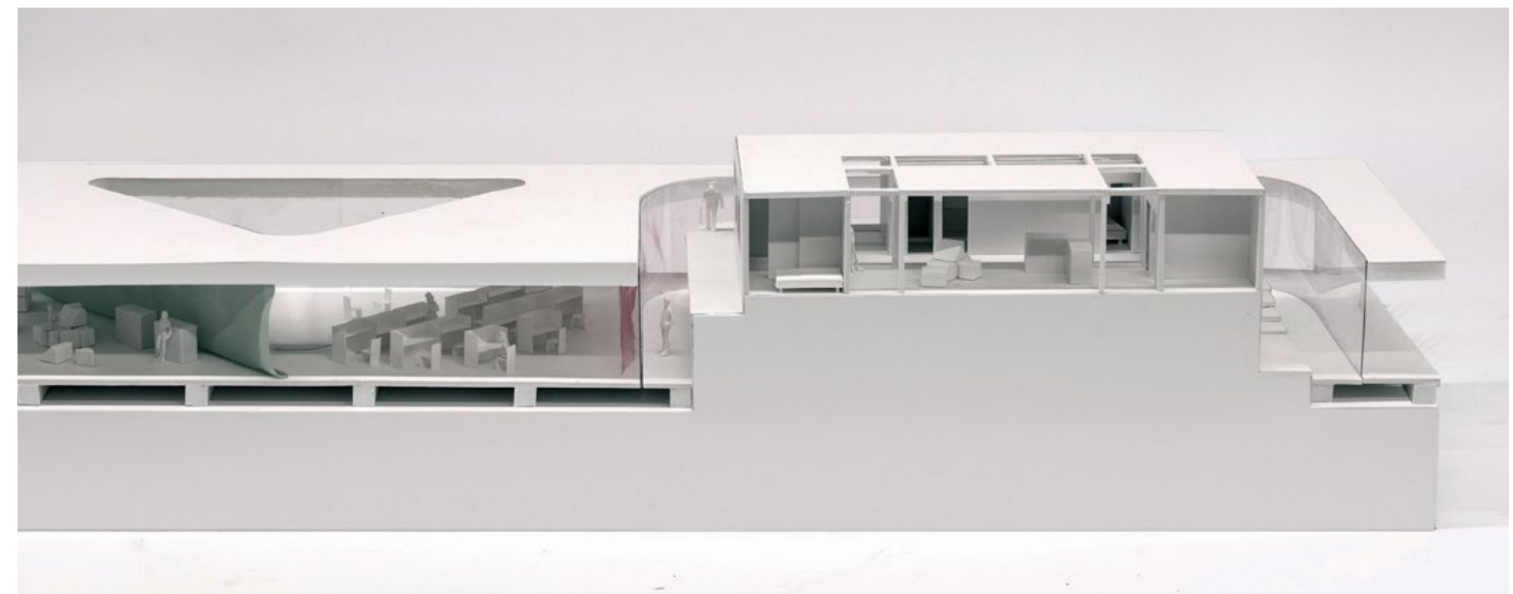
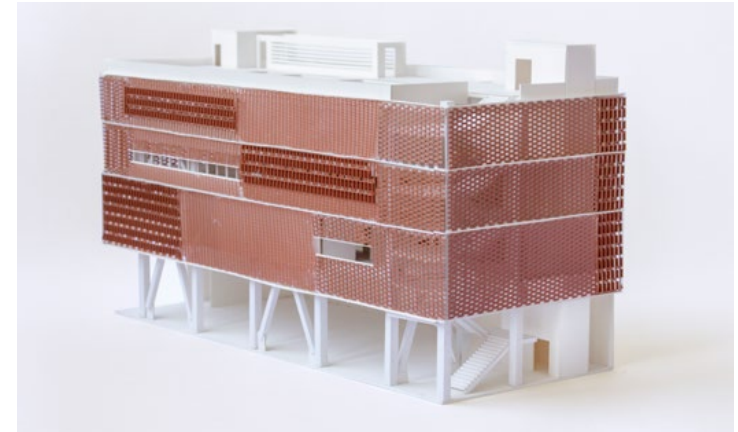
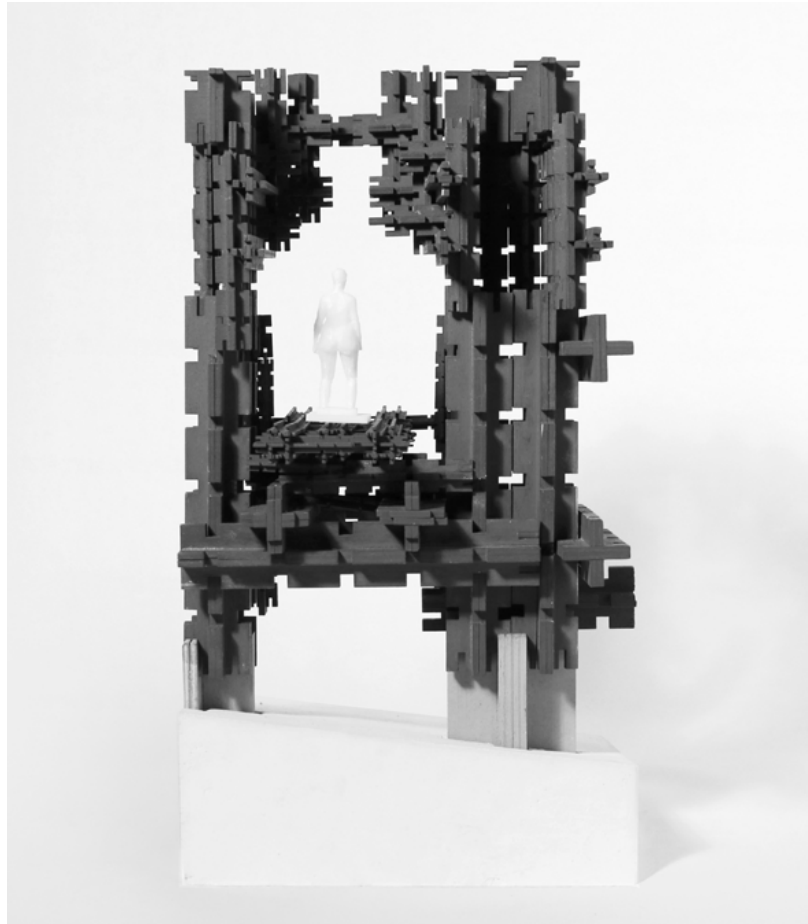


Photos: Ed Caldwell

6.0

ACADEMIC WORK

University of California, Berkeley M.Arch

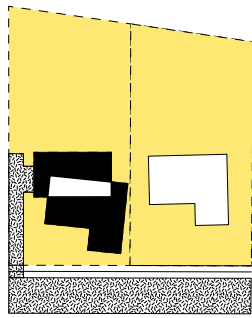


6.1

SUBURBAN CONVERSIONS

Rearranging the American suburb
to find space for other myths



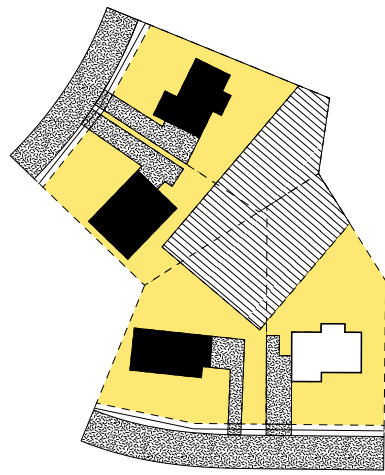


STRATEGY 1

Couple Up

Two residences are joined, breaking their 'single-family' designation, creating social space and the possibility for a range of living arrangements and collaborative domestic labor.

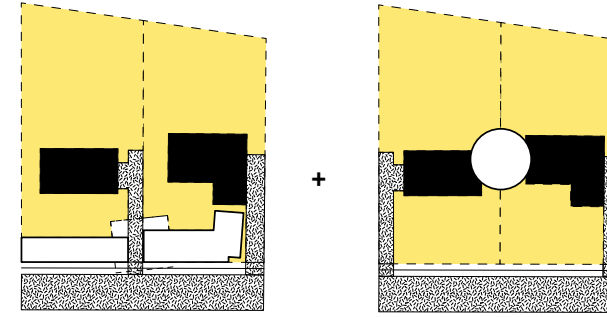




STRATEGY 3

Gut / Farm

The gut strategy inverts residence with storage. The garage is detached and becomes a small streetfront residence. The attic becomes a loft, a kind of community room for those managing the farm.



STRATEGY 5 + 6

Street Front + Connector

The Street Front strategy gives space for small scale commercial, retail, restaurant activity. The lemonade stand, just a bit more permanent.

The Connector strategy joins two houses with a new space. An entrance to the street allows direct access to the basements. This opens up possibilities of a shared rec-room, or separately rented basement apartments.





7.0

INDEPENDENT WORK



Branch Barstool: walnut & steel



The Impossible Stump: pine plywood

TOM WILL MAKE

Furniture and Home Goods

Tom Will Make is a collaboration between myself and William Hinnefeld. We designed, fabricated, and sold our own lines of furniture and home-goods. We also worked with clients on custom design/build projects.



Horn Candle Holder



Crew Breakfast Table



Monkey's Fist
Dog Toy



Topo Coasters



Banana Bowl



60 Ft. Rope Basket



Camp Shelves



Crew Dining Table



200 Ft. Rope Basket



Unit Chair

BRANNER TRAVEL FELLOWSHIP

The Construction of Sanctity

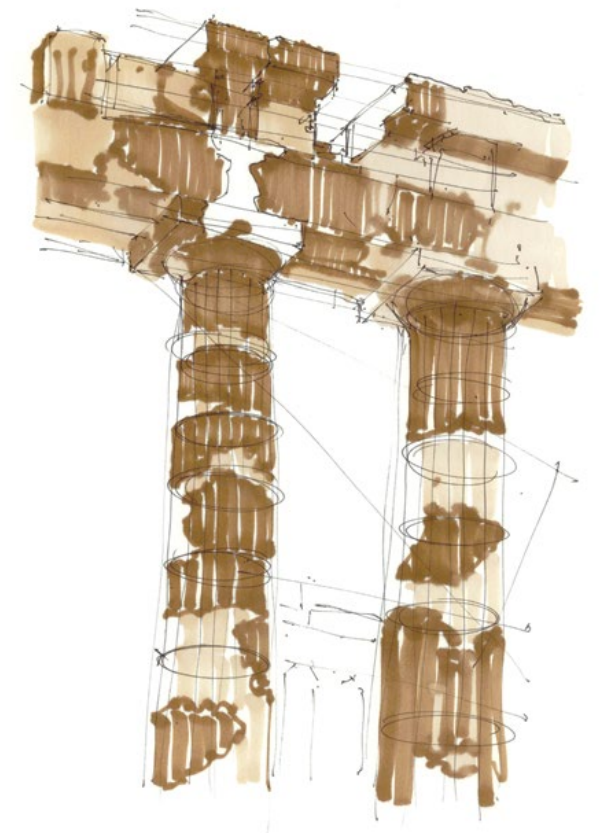
2019 Branner Travel Fellowship for my proposal to study the construction of sacred architecture around the world. These sketches were done in pen and marker while traveling. See the lecture I gave about my research [here on vimeo](#)



The Propylea



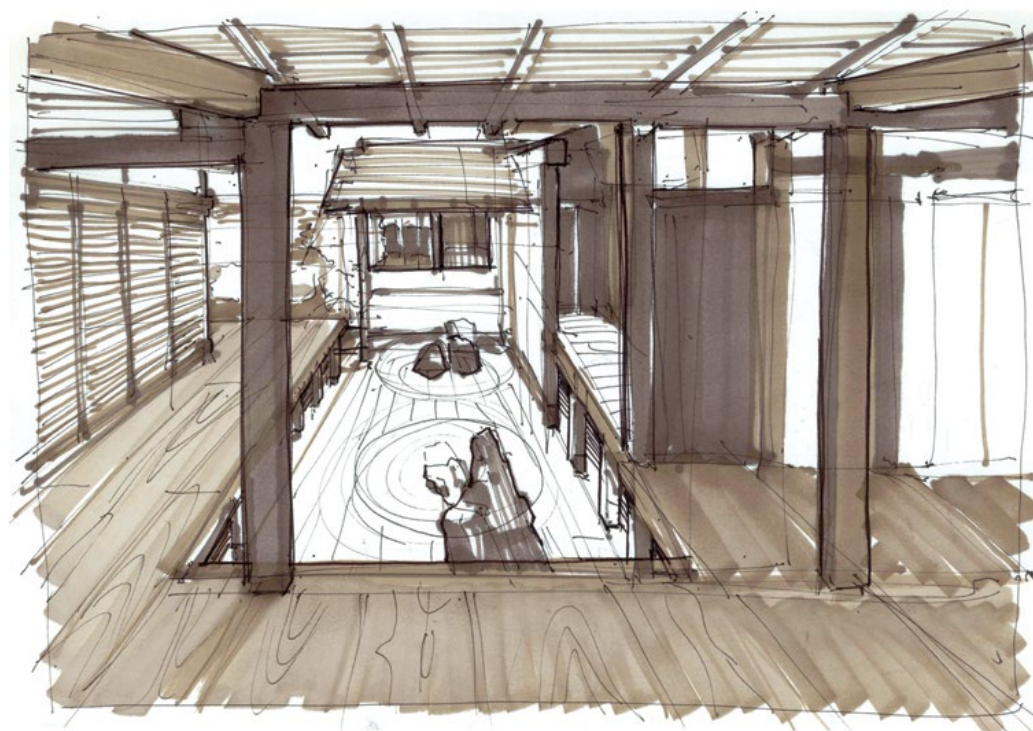
Chromleques de la Valle de Maria



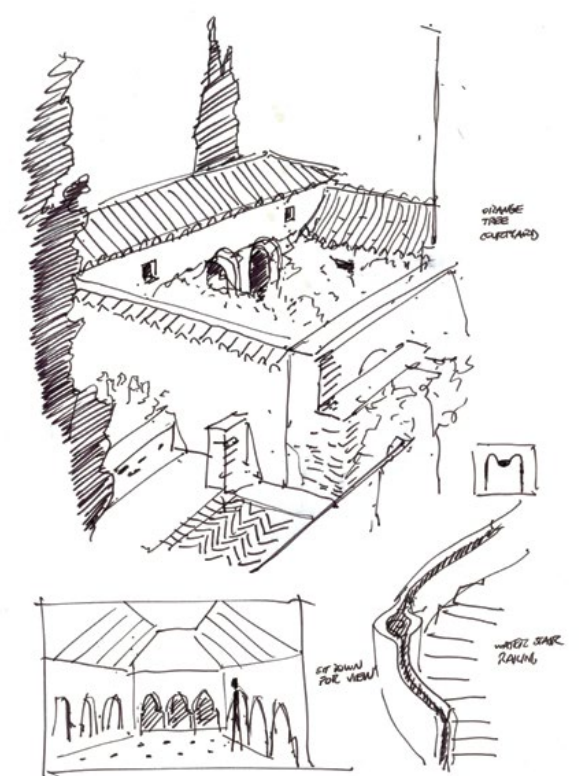
The Parthenon



Riola Parish Church



Ryogen-in



El Generalife

thank you!

tdevore15@gmail.com

513-722-6231